**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Solving Equations with 2 or more operations**

**1)** 12 – 3m = 24 **6)** --2(r + 9) = --28

**7)** --8 = 12 – 4x **8) **

**9)**   **10) 5**(w – 3) + 7 = 2

**11) 12)**

**13)** –m + 3(m + 1) = 11 **14)**

**15) If the product of a number and 3 is increased by 17, the result is 131. What is the number?**

**16) The difference between 67 and 5 times a number is -28. What is the number?**

**17) When the sum of a number and 7 is multiplied by 9, the result is 207. What is the number?**

**18) After buying 3 shirts, each for the same price, and spending $3.50 on lunch, Angela had spent a total of $60.47. What was the cost of one shirt?**

**Solving Equations with Variables on Both Sides**

5) 3m – 6 = 2m + 3 6) x + 11 = 3x – 1

7) 13x + 2 = 15x – 4 8) 3b = 36 – b

9) 9x = 12x + 6 10) --3m + 8 = 2m – 22

11) 2x + 3(x + 4) = 9x 12) --2y – 3(2y – 1) = 6y – 4

13) 10 – (12 + w) = w + 5 14) --2r – 3(2r + 4) = --11r

15) 3s – 9(s – 2) = 18s 16) 6p + (p – 4) = 4p

**MIXED PRACTICE:**

1) --3(p + 6) = -40 2)

3)  4) 2x + 4(x + 3) = 7x

5) --4s + 6 = 22 6)